



# 73 CRETE ADMIX

73 CRETE ADMIX is a latex admix used in place of water in portland cement and sand mixes. Tile setting mortars made with 73 CRETE ADMIX are more flexible and are stronger than conventional portland cement mortars. This strong bond is especially important when vitreous and semi-vitreous tiles are installed.

**Globally Proven  
Construction Solutions**



## FEATURES/BENEFITS

- Non-flammable.
- Increased flexibility.
- Improved impact resistance.

## USES

- Used with quarry tiles and other ceramic tile floors
- Use in wear areas such as factories and loading areas
- Shock and impact resistant

## MANUFACTURER

LATICRETE EUROPE S.R.L .

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## STANDARDS/CERTIFICATIONS



This product has been certified for Low Chemical Emissions (ULCOM/GG UL2818) under the UL GREENGUARD Certification Program. For Chemical Emissions. For Building Materials, Finishes and Furnishings (UL 2818 Standard) by UL Environment.

**Applicable Standard**  
ANSI A118.4

### Suitable Substrates

- Concrete
- Cement plaster
- Cement mortar beds
- Ceramic tile and stone
- Concrete masonry
- Brick masonry
- Gypsum wallboard\*
- Cement terrazzo
- Cement backer board\*\*

\* Interior applications only.

\*\* Consult cement backer board manufacturer for specific installation recommendations and to verify acceptability for exterior use.

### Packaging

5.3 US gallon (20 l) pail; 48 pails per pallet

### Coverage

Approximately 25.6 m<sup>2</sup> per 20 l using a 6 mm x 6 mm notched trowel.

### Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >32°F (0°C) and <110°F (43°C).

### Limitations

- Keep from freezing.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick, and stone are not replacements for waterproofing membranes. When a waterproofing membrane is required, use a LATICRETE® Waterproofing Membrane (see Section 10 FILING SYSTEMS).
- For light-colored marble and stone use a white thin-set mortar.
- Note: Surfaces must be structurally sound, stable and rigid enough to support ceramic/stone tile, thin brick and similar finishes. Substrate deflection under all live, dead and impact loads, including concentrated loads, must not exceed L/360 for thin bed ceramic tile/brick installations or L/480 for thin bed stone installations where L = span length.

### Cautions

Consult MSDS for more safety information.

- During cold weather, protect finished work from traffic until fully cured.
- Use LATAPOXY® 300 ADHESIVE when installing green marble, water sensitive stone and agglomerates and resin backed tile or stones.
- Wait 14 days after the final grouting period prior to filing water features with water at 21°C.
- DO NOT use on Masonite®, wood products or metal surfaces.
- Keep out of reach of children.

## TECHNICAL DATA

### Performance Properties

Mixed with 211 Powder

Test	Test Method	Results	Specification
28 day Cure Porcelain Tile Shear Strength	ANSI A118.4 5.2.4	350–400 psi (2.41–2.76 MPa)	>200 psi (1.38 MPa)
Shear Bond Porcelain Tile Water Immersion	ANSI A118.4 5.2.3	200–240 psi (1.38–1.66 MPa)	>150 psi (1.0 MPa)
7 day Cure Porcelain Tile Shear Strength	ANSI A118.4 5.2.2	300–340 psi (2.07–2.34 MPa)	>200 psi (1.38 MPa)
Compressive Strength	ANSI A118.4 6.0	2500–2700 psi (17.24–18.6 MPa)	>2500 psi (17.24 MPa)

From NAP331

### Working Properties (21°C)

Mixed with 211 POWDER

Open Time	40 minutes
Pot Life	5 hours
Time to Traffic	24 hours
Wet Density	102 lbs/ft <sup>3</sup> (1637 kg/m <sup>3</sup> )

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

## INSTALLATION

### Surface Preparation

All surfaces should be between 4°C and 32°C and structurally sound, clean and free of all laitance, efflorescence, dirt, oil, grease, paint, concrete sealers or curing compounds. Rough or uneven concrete surfaces should be made smooth with Latex Portland Cement Underlayment to provide a wood float (or better) finish. Dry, dusty concrete slabs or masonry should be dampened and excess water swept off. Installation may be made on a damp surface. New concrete slabs shall be damp cured and 28 days old before application. All slabs must be plumb and true to within 6 mm in 3 m. Expansion joints shall be provided through the tile work from all construction or expansion joints in the substrate. Follow ANSI specification A108.01-3.7 "Requirements for Movement Joints: Preparations by Other Trades" or TCNA detail EJ-171 "Movement Joints—Vertical & Horizontal". Do not cover expansion joints with mortar.

### Mixing

Use 20   of 73 CRETE ADMIX to approximately 80 kg of 211 POWDER\*\*\* and mix to a smooth, trowelable consistency. Allow mortar to slake for 5–10 minutes. Adjust consistency if necessary. Remix and apply with the proper sized notched trowel.

\*\*\* Alternate filler powder: One (1) part portland cement and one (1) part sand (0–0.6 mm).

### Application

Apply mortar to the substrate with the flat side of the trowel, pressing firmly to work into surface. Comb on additional mortar with the notched side.

*Note: Use the proper sized notched trowel to ensure full bedding of the tile. It is essential that enough mortar is used to completely cover the back of the tile with a minimum 3/32" (2 mm) to 1/8" (3 mm) uniform thickness. Spread as much mortar as can be covered with tile in 15–20 minutes. Back butter large tiles >8" x 8" (>200 x 200 mm) to provide full bedding and firm support. Place tiles into place with a slight twisting motion and beat in using a beating block and rubber mallet to embed tile and adjust level. Check mortar for complete coverage by periodically removing a tile and inspecting bedding mortar transfer onto back of tile.*

### Grouting

Grout installation after a minimum of 24 hours curing time at 70°F (21°). Grout with COLORBASE FS or COLORBASE FL mixed with 1776 GROUT ENHANCER. For maximum stain resistance use SPECTRALOCK® PRO Grout.

### Cleaning

Clean tools and tile work with water while mortar is fresh.

## AVAILABILITY AND COST

### Availability

LATICRETE® materials are available worldwide. For distributor information, please contact LATICRETE EUROPE S.r.l. Telephone +39 059557680. For on-line distributor information, visit [www.laticrete.eu](http://www.laticrete.eu)

### Cost

Contact a LATICRETE® closer distributor to obtain complete information and cost.

## WARRANTY

The supplier warrants that the product will not deteriorate under normal conditions and use. The warranty validity of one (1) year. Contact Technical Support for further information.

## MAINTENANCE

LATICRETE® products are of high quality designed to achieve lasting installations and avoid maintenance, however performance and durability may depend on properly maintaining products, depending of the cleaning products used.

## TECHNICAL SERVICES

### Technical assistance

For information contact: +39 059557680

[info@laticreteurope.com](mailto:info@laticreteurope.com)

### Technical and safety literature

To obtain technical and safety literature, please visit our website at [www.laticrete.eu](http://www.laticrete.eu)

## Warning

The information and the instructions in the data sheet, although based on knowledge gained through years of applications, are indicative. LATICRETE® unable to directly control the installation conditions and modalities of application of products, do not assume any liability arising from their implementation. Those who want to use the LATICRETE® products must conduct adequate tests to determine the site specifications. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation method and site conditions.